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76-32-3-42/43

Chronicle. D. M. Abashev and his Contribution to the Development of the Theory of Solutions. On the Hundredth Anniversary of the Investigations of Liquid Solutions

V. I. Lapshin (Reference 14), D. I. Mendeleyev (Reference 16), V. V. Markovnikov (Reference 18), D. P. Kononov (References 22, 23), V. F. Timofeyev (Reference 25), M. S. Vrevskiy et al (Reference 26) and Ye. V. Biron (Reference 27). The corresponding comments and subjects of the works are cited. There are 31 references, 30 of which are Soviet.

Card 2/2

KIPNIS, A.Ya. (Leningrad)

History of Gibbs' thermodynamic theories. Vop.1st.ed.1 tokh.  
no.8:127-132 '59. (MIRA 13:5)

(Thermodynamics) (Gibbs, Josiah Willard, 1839-1903)

5 (4)

AUTHOR:

Kipnis, A. Ya.

05846

SOV/76-33-10-44/45

TITLE:

On Some Investigations of Russian Scientists on the Thermodynamics of Phase Equilibria

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 10, pp 2383 - 2386 (USSR)

ABSTRACT:

This article is intended to focus the attention of scientists concerned with the development of a theory of heterogeneous equilibria on several investigations of Russian scientists on this field (which have been forgotten, such as those by D. P. Konovalov and M. S. Vrevskiy). D. P. Konovalov's investigations of the thermodynamics of phase equilibria were written before Gibbs had devised his thermodynamic methods. Konovalov's laws, viz. his condition of stability may be derived directly from Gibbs' principle of equilibrium (Ref 4). Besides other significant results, D. P. Konovalov has successfully employed vapor-pressure measurement as a thermodynamic method for investigating phase equilibria. An important work on the thermodynamics of phase equilibria is the monograph by P. T. Pansal'skiy which was published in 1895 (Ref 8). In 1909 N. M. Vittorf (Ref 9) employed the geometrical method for plotting phase diagrams

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On Some Investigations of Russian Scientists on the Thermodynamics of Phase Equilibria 05846 SOV/76-33-10-44/45

from the curves of the thermodynamic potential, and plotted 100 kinds of diagrams for binary systems which still today serve as a source for phase diagrams of binary systems. Another important work constitutes R. P. Kholman's monograph (Ref 11) "On the Thermodynamics of Saturated Solutions" ("K termodinamike nasyschennykh rastvorov") which gives a complete survey of the phase conditions of binary systems and establishes several rules. Some references are made to this book, and further a publication by A. V. Storokin (Ref 1) is mentioned. In 1913 G. A. Mazing (Ref 12) derived a set of differential equations defining the equilibrium of a two-phase multicomponent system. These equations were set up on the basis of Gibbs' general condition of thermodynamic equilibrium. Mazing carried out further investigations of thermodynamic problems. After brief reference to these studies, the author finally mentions publications by P. N. Pavlov (Ref 13), who dealt with the thermodynamics of surface phenomena. There are 13 Soviet references.

SUBMITTED: April 7, 1959  
Card 2/2

KIPNIS, A. Ya, Cand Chem Sci — "The Development of Chemical  
Thermodynamics in Russia," (Moscow State U in M. V. Lomonosov,  
Chemistry Faculty) (KL, 49/60, 125) Moscow, 1960, 18 pp, 120 copies

VARSHAVSKIY, Yu.S.; KIPNIS, A.Ya.; SHUTYNIN, A.B.

More about the approximate equation of Van der Waals. Zhur.  
fiz.khim.34 no.1:211 Ja '60. (MIRA 13:5)  
(Equation of state)

KIPNIS, A. Ia. (Leningrad)

History of chemical thermodynamics in Russia. Vop. 1st. est. 1 tekhn.  
no. 9: 125-128 '60. (MIRA 13:7)  
(Thermodynamics)

KIPNIS, A. Ya.

Outline of the origin and development of chemical thermodynamics.  
Trudy Inst. ist. est. i tekhn. 35:39-107 '61. (MIRA 14:9)  
(Thermodynamics)  
(Chemistry, Physical and theoretical)



SOLOV'YEV, Yu.I. (Leningrad); KIPNIS, A.Ya. (Leningrad)

The centenary of A.A. Iakovkin's birth. Vop.ist.est. i tekhn.  
no.11:144-148 '61. (MIRA 14:11)  
(Iakovkin, Aleksandr Aleksandrovich, 1860-1936)

KIPNIS, A.Ya.

Thermodynamic characteristics of nickel carbonyl synthesis reaction.  
Zhur.neorg.khim. 7 no.7:1500-1504 J1 '62. (MLHA 16,3)  
(Nickel carbonyl)

KIPNIS, A. Ya. (Leningrad)

P. N. Lebedev's letter on the critical state of matter. Vop.  
1st. est. 1 tekhn. no. 13:88-91 '62. (MIRA 16:5)

(Matter + Constitution)

KIPNIS, A. Ya. (Leningrad)

History of the derivation of the equation describing the constitution  
of an ideal gas. Vop. ist. est. i tekhn. no.13:91-94 '62.

(MIRA 16:5)

(Gases, Kinetic theory of)

KIPNIS, Aleksandr Yakovlevich; SOLOV'YEV, Yu.I., doktor khim. nauk,  
otv. red.; SUVOROV, I.V., red.izd-va; BOCHEVER, V.T.,  
tekhn. red.

[Development of chemical thermodynamics in Russia] Razvitie  
khimicheskoi termodinamiki v Rossii. Moskva, Izd-vo  
"Nauka," 1964. 345 p. (MIRA 17:2)

Replacement of chromed by vegetable-tanned parings and plant fibers in the manufacture of plastic leather. H. Ya. Kipnis. *Ashevenad Parame: Pion* 19, No. 6 (1968); (*Chem. Zvesti* 1968, 11, 1284) (R). In the production of artificial leather, parings from vegetable-tanned leather can be used without impairing the quality of the finished product so long as the products used have a fiber length not less than 8 mm. In many cases it is advisable to chrome the vegetable-tanned leather fibers so that they will better withstand the drying temps. The difficulty in completely replacing the chromed parings by vegetable-tanned leather waste lies in the lack of a method by which it is possible to free the fibers from lumps. M. G. M.

KIPNIS, B. YA.; TUGOV, I. I.

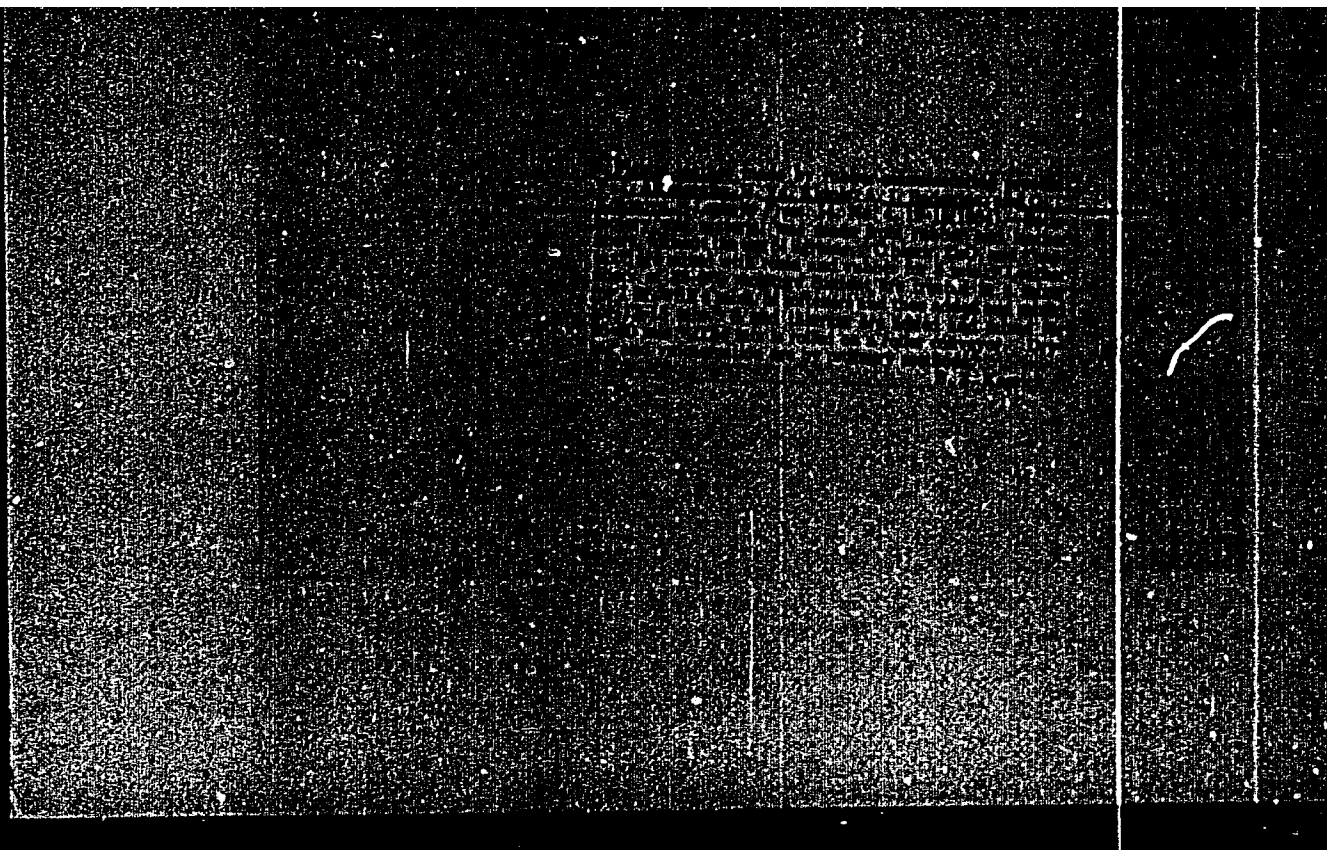
Paper Industry

Efficient process for grinding fibers in hollanders, Leg. prom., 12, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722610004-9



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722610004-9"



KIPNIS B. Ya.

KHOROSHAYA, Yevgeniya Samoylovna; AVILOV, Aleksey Alekseyevich; MINAYEVA, T.M., redaktor; ZAYONCHKOVSKIY, A.D., doktor tekhnicheskikh nauk, retsenzent; KIPNIS, B.Ya., inzhener, retsenzent; NEKRASOVA, O.I., tekhnicheskii redaktor

[Accelerated methods of chemical analysis in the leather substitute industry; theoretical principles and practical application] Uskorennyye metody khimicheskogo analiza v promyshlennosti zamenitelei kozhi; teoreticheskie osnovy i prakticheskoe primeneniye. Moskva, Gos.nauchno-tekhn.izd-vo Ministerstva tekstil'noi promysh. SSSR, 1955. 151 p. (MLRA 9:1)

(Chemistry, Analytical) (Leather substitutes)

*KIPNIS, B Ya.*

PAVLOV, Sergey Aleksandrovich, prof.; AVILOV, Aleksey Alekseyevich,  
kand.tekhn.nauk; BARAMBOYM, Nikolay Konstantinovich, prof.;  
MONASTYRSKAYA, Mariya Solomonovna, dotsent; KHROMOVA, Nina  
Sergeyevna, dotsent; KUZ'MINSKIY, A.S., prof., retsenzent;  
~~KIPNIS, B.Ya.~~, inzh., retsenzent; MINATEVA, T.M., red.;  
GUSEVA, A.I., red.; MEDVEDEV, L.Ya., tekhn.red.

[Technology of artificial leather] Tekhnologiya iskusstvennoi  
kozhi. Pod red. S.A.Pavlova. Moskva, Goz.nauchno-tekhn.isd-vo  
lit-ry po legkoi promyshl., 1958. 654 p. (MIRA 12:4)  
(Leather, Artificial)

KIPNIS, B. Ya., Candidate of Tech Sci (diss) -- "Investigation of the processes of mixing leather fiber with rubber". Moscow, 1959. 17 pp (Min Higher Educ USSR, Moscow Tech Inst of Light Industry), 130 copies (KL, No 21, 1959, 115)

KIPNIS, B.Ya.; KOLESHNIKOV, V.N.; LERNER, D.V.; MINAYEV, S.M.;  
PANOVA, A.V.; LIFSHITS, I.D., ~~land. tekhn. nauk~~,  
retsenzent; MIKHAYLOV, V.A., inzh., red.; PLEMYANNIKOV,  
M.N., red.; BATYREVA, G.G., tekhn. red.

[Handbook on the manufacture of artificial leather] Spra-  
vochnik po proizvodstvu iskusstvennoi kozhi. Moskva, Giz-  
legprom. Vol.1. 1963. 523 p. (MIRA 16:12)  
(Leather, Artificial)

ARDAYEVA, A.N.; KIPNIS, F.B.; SYRKINA, R.A.

Developing new types of containers and container materials  
based on the use of plastics. Trudy NII Tary no.4:108-119  
'60. (MIRA 14:12)

(Container industry)  
(Plastics)

KIPNIS, I. (gorod Petrosavodsk).

The leading collective. Kinomekhanik no.5:10 My '53. (MIRA 6:6)  
(Moving picture theaters)

1. MORACHEVSHIY, I. I. - ANGENITSKAYA, R. B. - KRESNIKOVA, V. V. -  
MOYSEYENKO, YA. F. - KIPNIS, I. I.
2. USSR (600)
4. Water Pipes
7. Ceramic pipes for pressure pipelines. Stek. i ker. 9 no. 12, 1952
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

MORACHEVSKIY, I.I., kandidat tekhnicheskikh nauk; ANGENITSKAYA, R.B., kandidat tekhnicheskikh nauk; KRESTNIKOVA, V.V., inzhener; NOYSNIYENKO, Ia.P.;  
KIPNIS, I.I.

Clay pipe used for pressure pipe lines. Biul.stroi.tekh. 10 no.3:22-24  
P '59. (MLBA 6:12)

1. Institut stroitel'nykh materialov Ministerstva Promyshlennosti Stroitel'-  
nykh Materialov. (Pipe, Clay)



L 23031-66 EWT(1)/EPF(n)-2/EWA(d)/EWP(k)/ETC(m)-6 IJP(c) WN/00

ACC NR: AP6010036

SOURCE CODE: UR/0170/66/010/003/0374/0381

AUTHOR: Kipnis, I. Kh.

72  
B

ORG: Institute of Engineers of the Maritime Fleet, Odessa (Institut inzhenerov morskogo flota)

TITLE: Extrapolation of <sup>2/</sup>experimental thermal data to the region of <sup>2/</sup>high-pressure

SOURCE: Inzhenerno-fizicheskii zhurnal, v. 10, no. 3, 1965, 374-381

TOPIC TAGS: high pressure, thermal analysis, propellant thermal property, heat quantity, equation of state, pressure effect, high pressure research

ABSTRACT: A method for extrapolating experimental data on the isothermal line to region of higher pressures was developed. For the calculation of extrapolated values, equations of state are recommended of which constants are determined from one of the last experimental points and from derivatives at this point. It is shown that errors in determining the constants which are mainly due to errors in the derivatives may be considerably reduced. Two equations of state, namely, Tait's equation and Biron's equation were examined. The Biron equation suggested here may be used for extrapolating thermal quantities of liquids and gases to a range of several thousand atmospheres. A method is given for determining the maximum pressure to which extrapolated values may be reliably applied. Orig. art. has: 3 figures, 15 formulas, and 4 tables. [Based on author's abstract] [NT]

Card 1/2

UDC: 541.1

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ACC NR: AP6010036

SUB CODE: 20/

SUBM DATE: 17May65/

ORIG REF: 006/

OTH REF: 001

Card 2/2 *pla*

KIPNIS, I.M. (Kirovograd)

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Teaching geometry. Mat. v shkole no.4:55-57 J1-Ag '54. (MIRA 7:7)  
(Geometry--Study and teaching)

KIPNIS, I.M. (Kirovograd)

Analysis of geometrical problems to be solved by trigonometry.

Mat. v shkole no.4:72-76 J1-Ag '55. (MIRA 8:9)

(Trigonometry) (Geometry, Solid--Problems, exercises, etc.)

KIPNIS, Izrail' Mikhaylovich; SIDOROVA, L.A., red.; KOVALENKO, V.L., tekhn.  
red.

[Collection of applied problems involving inequalities; manual for teachers] Sbornik prikladnykh zadach na neravenstva; posobie dlia uchitelei. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1961. 102 p. (MIRA 14:7)

(Inequalities (Mathematics))

KIPNIS, I.M. (Kirovograd)

Applied problems in senior grades. Mat. v shkole no.4:89-92  
Jl-Ag '61. (MIRA 14:8)  
(Mathematics--Problems, exercises, etc.)

KIPNIS, I. M. (Kirovograd); PRAYSMAN, N. Ya. (Kirovograd)

High standard of approximate computation in physics lessons.  
Fiz. v shkole 22 no.4:55-58 Jl-Ag '62. (MIRA 15:10)

(Physics—Study and teaching)  
(Approximate computation)

KIPNIS, I.M. (g. Kirovograd)

Problems on the calculation of the range of flight of a body  
cast at an angle to the horizon. Fiz. v shkole 23 no.4:93-94  
Jl-Ag '63. (MIRA 17:1)



KIPNIS, Izrail' Mikhaylovich; SIDOROVA, L.A., red.

[Collection of applied problems in inequality theory; a text-book for teachers] Sbornik prikladnykh zadach na neravenstva; posobie dlia uchitelei. Izd. 2., dop. Moskva, Prosvetshchenie, 1964. 142 p. (MIRA 17:7)

KIPNIS, Izrail' Sanovich; SHABAN, TSezariy Vladimirovich; KUDIKINA, Ye.,  
red.; GUTMAN, A., tekhn. red.

[Modern methods of build-up welding in ship repairs] Sovremen-  
nye sposoby naplavki v sudoromonte. Kaliningrad, Kaliningrad-  
skoe knizhnoe izd-vo, 1962. 47 p. (MIRA 15:11)

1. TSentral'naya svarochnaya laboratoriya Kaliningradskogo  
sovnarkhoza (for Kipnis, Shaban).  
(Ships--Maintenance and repair)

KIPNIS, I. Sh.; PEKKER, A. I.

Ceramic Industries

Automatic placing of ceramic blocks on drying chamber cars. Dok. i ker. 10, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

*KIPNIS, I. S.*

AZAROV, B.V., inzhener; KIPNIS, I.S., inzhener

Brazing cast iron without preheating. Vest.mash.35 no.7:43-44  
Jl'55. (MLRA 8:10)

(Cast iron--Welding) (Brazing)

KIPNIS, I.S., inshener

~~SECRET~~

Finishing sheet metal edges with a 2RA semiautomatic gas  
cutting tool. Svar. proizv. no.2:25 F '55. (MIRA 8:9)  
(Oxyacetylene welding and cutting)

KIPNIS, I.S., inzh.; TEMIROV, M.D., inzh.

Plant experience in contact welding of casings. Sudestroenie 24  
no.11:62-63 N '58. (MIRA 12:1)  
(Electric welding)

KIPNIS, I.S., inzh.; SHKLOVSKIY, S.M., inzh.; TARANDUSHKO, Ye.A., inzh.

Semiautomatic and automatic plasma cutting of aluminum alloys and  
stainless steel. Svar.proizv. no.9:31-32 S '60. (MIRA 13:8)  
(Electric metal cutting)  
(Plasma (Ionized gases))

KIPNIS, I.S.; SHKLOVSKIY, S.M.

Equipment for automatic and semiautomatic cutting of aluminum alloys and stainless steel. Biul.tekh.-ekon.inform. no.3:24-25 '61. (MIRA 14:3)

(Electric cutting machinery)



(18.5200); 2208; 2308; 2508

83551

S/135/60/000/003/010/015

A006/A002

AUTHORS: Kipnis, I. S., Shklovskiy, S. M., Tarandushko, Ye. A., Engineers  
TITLE: Semi-Automatic and Automatic Plasma Cutting<sup>8</sup> of Aluminum Alloys<sup>1</sup> and  
Stainless Steel

PERIODICAL: Svarochnoye proizvodstvo, 1960, No. 9, pp. 31-32

TEXT: Air-arc cutting or drilling-out of parts at a Soviet plant were replaced by mechanized cutting using the IMET-105 (IMET-105) plasma torch, designed by the Institut metallurgii imeni A. A. Baykova AN SSSR (Institute of Metallurgy imeni A. A. Baykov, AS USSR). Optimum cutting conditions were set up using a specially modified semi-automatic gas-cutting machine (Fig. 1). As the IMET-105 torch heated up very rapidly during the tests its design was modified as follows: the tungsten electrode holder rod was made of copper to ensure a better elimination of the heat; the contact surface of the welding cable connection with the tungsten electrode rod was enlarged; the welding cables of 50 mm<sup>2</sup> cross section were replaced by cables of 70 mm<sup>2</sup>. After the aforementioned improvements had been brought about, the torch operation was stable without excessive heating of the current conducting parts. Optimum cutting speeds

Card 1/2

21044

S/193/61/000/003/004/009  
A004/A101

1.1110 also 1573

AUTHORS: Kipnis, I. S., Shklovskiy, S. M.

TITLE: Apparatus for the automatic and semi-automatic cutting of aluminum alloys and stainless steel

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 3, 1961, 24 - 25

TEXT: The author reports on investigations on the introduction of a mechanized cutting process of aluminum alloys and stainless steel with the aid of a special installation, which were carried at one of the enterprises of the Kalinin-grad Economic Rayon. The installation for the automatic or semi-automatic cutting is composed of the ПС -500 (PS-500) welding transformer; instrument cabinet with voltmeter, ammeter, pressure gage, intermediate relay, start button, transformer and contactor; special welding head, gas-cutting automatic of the coordinate or hinged type for the cutting of shaped parts by a copying device or gas-cutting semi-automatic for the cutting of straight parts by a guide rail; PK -53 (RK-53) oxygen reductor; hose for water and gas feed; control circuit line and ПРГА (PRGD) welding lines of 70 mm<sup>2</sup> cross section. The cutting of aluminum alloys and stainless steel is effected by fusing the metal and blowing it out from the hollow X

Card 1/2

21 044

Apparatus for the automatic and semi-automatic ...

S/193/61/000/003/004/009  
A004/A101

of the cut by a gas discharge jet. To produce this jet an arc discharge is utilized excited between the tungsten electrode and the nozzle. Argon gas is conducted along the arc column, which, passing from the electrode to the nozzle, is ionized and emerges from the nozzle as a stable, luminous jet having a tapered shape, the dimensions of which depend on the design of the nozzle, current power, gas pressure and the recess of the electrode in the nozzle channel. The jet temperature attains 15.000°C and more. The introduction of the described mechanized cutting process reduces the labor consumption 13 times and cuts metal consumption by 30%. There is 1 figure.

Card 2/2

МНАОБКО, М.Д., инж.; КИПНИ, Л.Б., инж.

Unit for applying powdery polymer coatings. Vest. mashinost. 44 no.5:52-53 My 1964. (MIRA 1964)

KIPNIS, I.S., inzh.; SH. LOVSKIY, S.M., inzh.

Reconditioning of pistons by the buildup welding method. Sudostroenie  
31 no.1:60-61 Ja '65. (MIRA 18:3)

SHUSTOV, N.V., kand. tekhn. nauk; KIPNIS, L.A., inzh.

Use of air spaces for blasting operations at the "Sovetskii" mine.  
Shakht. stroi. 9 no.10:25-26 0 '65. (MIRA 18:9)

1. Krasnoyarskiy institut tsvetnykh metallov imeni M.I.Kalinina.

KUNDZICH, G.A.; RYABCHUK, G.P.; KIPNIS, M.S.

Automation of the sorting of sheet paper. Bum. prom. 38 no.5:  
17-21 My '63. (MIRA 16:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut tsellyuloznoy  
i bumazhnoy promyshlennosti.

(Paper industry—Equipment and supplies)  
(Automation)

KIPNIS, A. A.

KIPNIS, A. A. "On the procedure of storing and catching high-quality and provision wheat of the Ukraine and northern Caucasus," In the symposium: Sposobn i referaty (Vsesoyuz. nauch. -issled. in-t zerna i produktov ego pererabotki), Moscow, 1949, p. 6-7

SO: U-5240, 17Dec53, (Letovis 'Elmural 'nykh Statey, No. 1, 1953).



KIPNIS, S. A., Eng.

Bizyukin, D. D.

Serious shortcomings in serious book ("Technology construction industry." Edited by Prof. D. D. Bizyukin.) Mekh. stroi. 9, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

KIPNIS, S. A., ENG.

Bins

Calculating the capacity of hoppers installed on continuous production lines. Eng.  
S. A. Kipnis. Stroi. prom. 30 No. 5 1952. Respublikanskiy Proyektnyy Institut  
Latviyskoy SSR

SO: Monthly List of Russian Accessions, Library of Congress, September 1952, Uncl.

KIPNIS, S. A.

B. T. R  
V. 3 No. 3  
Mar. 1954  
Metals- Mechanical  
Working

3926\* Reproducibility and Productivity of Electrospark  
Machining. (Russian, P. S. A. Kipnis. *Vestnik Mashinostroeniia*,  
v. 33, no. 8, Aug. 1953, p. 59-60.  
A theoretical study was made of relationship of wear in the  
instrument and corresponding wear of the processed part.  
Tables, diagrams. 7 ref.

KIPNIS, S.B.

Coated electrodes for metal cutting. Patent U.S.S.R. 77, 961, Dec. 31,  
1949.  
(CA 47 no.19:9828 '53)

CMEL'YANOV, A. YE.; AVCRONO, B. P.; KIPNIS, S. B.

Agricultural Machinery - Trade and Manufacture

Use of rolled iron from Bessemer steel in the manufacture of farm machinery.  
Sel'khoz mashina, No. 7, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

RABINOVICH, I.P., kand. tekhn. nauk; KIPNIS, S.B., inzh.

Increasing the service reliability and life span of welded constructions. Trakt. i sel'khoz mash. 33 no.3:38-41 Mr '53.  
(MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut  
sel'skokhozyaystvennogo mashinostroyeniya.

GRIGOR'YEVA, M.N., inzh.; KIPNIS, S.B., inzh.; NOGIN, M.V., inzh.

Quality of the welded constructions in agricultural machinery.  
Trakt. i sel'khoz mash. no.11:43-45 N '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokho-  
zyaystvennogo mashinostroyeniya.

ALEKHIN, S.A.; KIPNIS, S.G.

Experience in using automatic devices in intermittently  
operating wells. Mash. i nef. obor. no.11:30-32 '65.  
(MIRA 18:12)

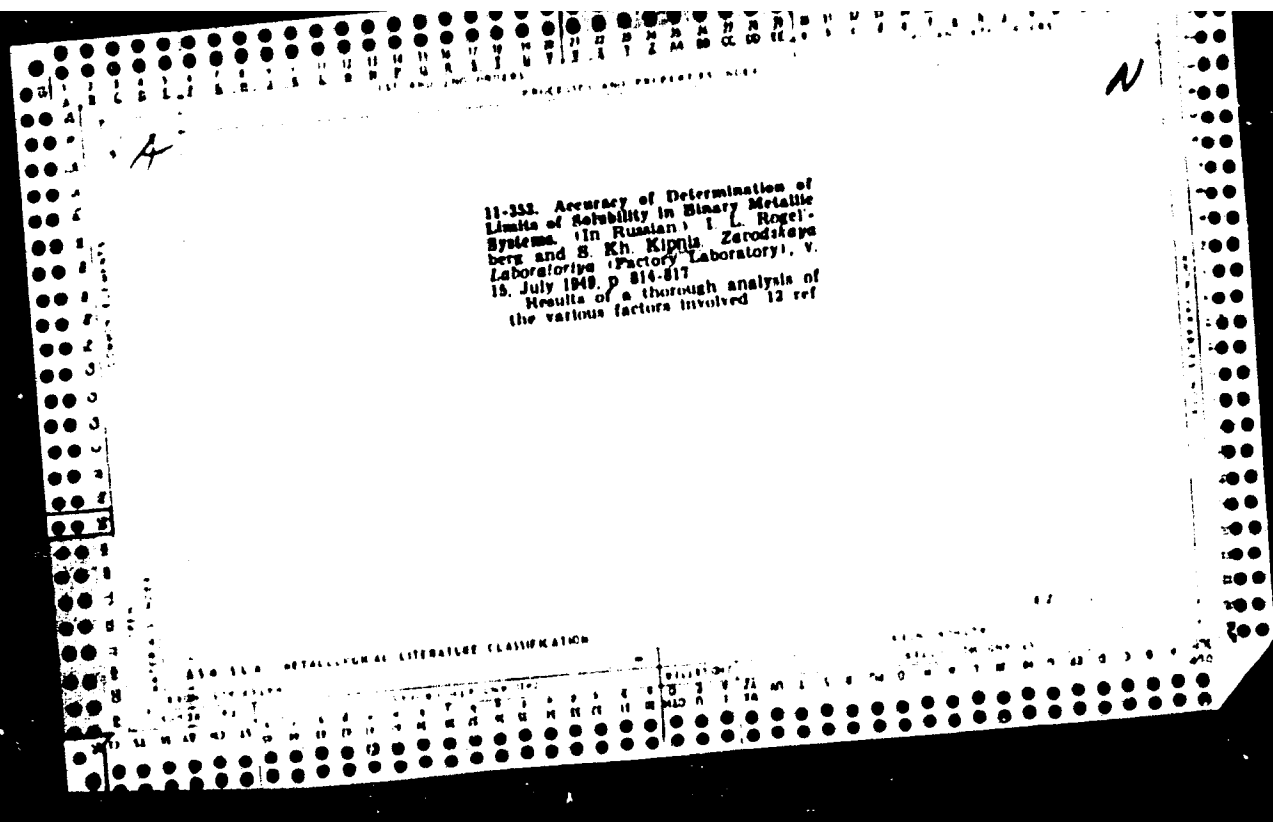
1. Spetsial'noye konstruktorskoye byuro ob'yedineniya  
"Organneftegaz".



The image shows a microfiche card with a grid of frames. The frame at row 1, column 1 contains a document page. At the top of this page are two headers: "ISS AND JND CIPRIS" on the left and "MD AND STD CIPRIS" on the right. Below them is a central header "PROCESSING AND PROPERTIES INDEX". In the upper left corner of the page is a large handwritten number "5", and in the upper right corner is a large handwritten number "19". The main body of the page features a paragraph in Russian about the accuracy of solubility limits in binary metallic systems, citing I. L. Il'inskiy and M. Kh. Kuznetsov. Below the paragraph is the heading "ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION". At the bottom of the page, there are several small labels: "FROM SIMILAR", "FROM SOURCE", "COLLECTED DATE", and "CLASSIFIED DATE". The entire page is surrounded by a perforated border.

CA

One necessary sign of correctness of the solubility limits in binary systems of metals. S. Kh. Kipnis and I. L. Rogelberg. *Doklady Akad. Nauk S.S.S.R.* 78, 701-3 (1961).—Calcs. of heat of soln. from soly. data are used to indicate accuracy of results. The heat of soln.,  $Q$ , should vary continuously and monotonically with temp. unless some transition point is encountered. E.g., in the system Co-Cu,  $Q$  behaves normally with the exception of the region 1050-1070°, where  $Q$  rises sharply to a max., corresponding to a magnetic transformation in Co at 1048°. Other systems studied are Au-In, Bi-Mg, Al-Li, Au-Ge, Mg-Pb, Au-Al, and Au-Sn. In the system Bi-Mg, one value of  $Q$  is far off the regular curve; this indicates an error in the measurements of soly. Arvid J. Miller



KIPNIS, S.Kh.

AL'TGAUZEN, O.N., kandidat fiziko-matematicheskikh nauk; BERNSTEYN, M.L., kandidat tekhnicheskikh nauk; BLANTER, M.Ye., doktor tekhnicheskikh nauk; BOKSHTAYN, S.Z., doktor tekhnicheskikh nauk; BOLKHOVITINOVA, Ye.N., kandidat tekhnicheskikh nauk; BORZDYKA, A.M., doktor tekhnicheskikh nauk; BUNIN, K.P., doktor tekhnicheskikh nauk; VINOGRAD, M.I., kandidat tekhnicheskikh nauk; VOLOVIK, B.Ye., doktor tekhnicheskikh nauk [deceased]; GAMOV, M.I., inzhener; GELLER, Yu.A., doktor tekhnicheskikh nauk; GORELIK, S.S., kandidat tekhnicheskikh nauk; GOL'DENBERG, A.A., kandidat tekhnicheskikh nauk; GOTLIB, L.I., kandidat tekhnicheskikh nauk; GRIGOROVICH, V.K., kandidat tekhnicheskikh nauk; GULYAYEV, B.B., doktor tekhnicheskikh nauk; DOVGALEVSKIY, Ya.M., kandidat tekhnicheskikh nauk; DUDOVTSSEV, P.A., kandidat tekhnicheskikh nauk; KIDIN, I.N., doktor tekhnicheskikh nauk; KIPNIS, S.Kh., inzhener; KORITSKIY, V.G., kandidat tekhnicheskikh nauk; LARDA, A.F., doktor tekhnicheskikh nauk; LMYKIN, I.M., kandidat tekhnicheskikh nauk; LIVSHITS, L.S., kandidat tekhnicheskikh nauk; L'VOV, M.A., kandidat tekhnicheskikh nauk; MALYSHEV, K.A., kandidat tekhnicheskikh nauk; MEYERSON, G.A., doktor tekhnicheskikh nauk; MINKEVICH, A.N., kandidat tekhnicheskikh nauk; MOROZ, L.S., doktor tekhnicheskikh nauk; NATANSON, A.K., kandidat tekhnicheskikh nauk; NAKHIMOV, A.M., inzhener; NAKHIMOV, D.M., kandidat tekhnicheskikh nauk; POGODIN-ALEKSEYEV, G.I., doktor tekhnicheskikh nauk; POPOVA, N.M., kandidat tekhnicheskikh nauk; POPOV, A.A., kandidat tekhnicheskikh nauk; RAKHSHTADT, A.G., kandidat tekhnicheskikh nauk; ROSEL'BERG, I.L., kandidat tekhnicheskikh nauk;

(Continued on next card)

AL'TGAUZEN, O.N.---- (continued) Card 2.

SADOVSKIY, V.D., doktor tekhnicheskikh nauk; SALT'YKOV, S.A., inzhener; SOBOL'EV, N.D., kandidat tekhnicheskikh nauk; SOLODIKHIN, A.G., kandidat tekhnicheskikh nauk; UMANSKIY, Ya.S., kandidat tekhnicheskikh nauk; UTEVSKIY, L.M., kandidat tekhnicheskikh nauk; FRIDMAN, Ya.B., doktor tekhnicheskikh nauk; KHIMYSHIN, F.F., kandidat tekhnicheskikh nauk; KHEUSHCHEN, M.M., doktor tekhnicheskikh nauk; CHERNASHKIN, V.G., kandidat tekhnicheskikh nauk; SHAPIRO, M.M., inzhener; SHKOL'NIK, L.M., kandidat tekhnicheskikh nauk; SHRAYBER, D.S., kandidat tekhnicheskikh nauk; SHCHAPOV, N.P., doktor tekhnicheskikh nauk; GUDTSOV, N.T., akademik, redaktor; GOFODIN, A.M., redaktor izdatel'stva; VAYNSHTAYN, Ye.B., tekhnicheskiiy redaktor

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KIPNIS, S.YE

KITAYGORODSKIY, Aleksandr Isaakovich, doktor fiziko-matematicheskikh nauk, professor; LESHKOVTSYEV, V.A., redaktor; KIPNIS, S.Ye., redaktor; DMITRIYEV, R.V., tekhnicheskij redaktor.

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KIPNIS, S.Ye.

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